

## Spool File For Oracle Students Trained by Mr.Sathish Yellanki

---

```
SQL> cl scr
```

```
SQL> CONN SCOTT/TIGER
```

```
Connected.
```

```
SQL> cl scr
```

```
SQL> DECLARE
```

```
2 V_StartRange NUMBER := &StartRange;
```

```
3 V_EndRange NUMBER := &EndRange;
```

```
4 V_Result VARCHAR2(500) := NULL;
```

```
5 BEGIN
```

```
6 FOR MyIndex IN V_StartRange..V_EndRange
```

```
7 LOOP
```

```
8 V_Result := V_Result||' '||V_StartRange;
```

```
9 V_StartRange := V_StartRange + 1;
```

```
10 END LOOP;
```

```
11 DBMS_OUTPUT.PUT_LINE(V_Result);
```

```
12 END;
```

```
13 /
```

```
Enter value for startrange: 1
```

```
Enter value for endrange: 10
```

```
PL/SQL procedure successfully completed.
```

```
SQL> SET SERVEROUTPUT ON;
```

```
SQL> R
```

```
1 DECLARE
```

```
2 V_StartRange NUMBER := &StartRange;
```

```
3 V_EndRange NUMBER := &EndRange;
```

```
4 V_Result VARCHAR2(500) := NULL;
```

```
5 BEGIN
```

```
6 FOR MyIndex IN V_StartRange..V_EndRange
```

```
7 LOOP
```

```
8 V_Result := V_Result||' '||V_StartRange;
```

```
9 V_StartRange := V_StartRange + 1;
```

```
10 END LOOP;
```

```
11 DBMS_OUTPUT.PUT_LINE(V_Result);
```

```
12* END;
```

```
Enter value for startrange: 1
```

```
Enter value for endrange: 10
```

```
1 2 3 4 5 6 7 8 9 10
```

```
PL/SQL procedure successfully completed.
```

```
SQL> ED
```

```
Wrote file afiedt.buf
```

```
1 DECLARE
```

```
2 V_StartRange NUMBER := &StartRange;
```

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---

```
3 V_EndRange NUMBER := &EndRange;
4 V_Result VARCHAR2(500) := NULL;
5 BEGIN
6   FOR MyIndex IN V_StartRange..V_EndRange
7   LOOP
8     V_Result := V_Result||' '||V_StartRange;
9     V_StartRange := V_StartRange + 1;
10    DBMS_OUTPUT.PUT_LINE('The Index Value : '||MyIndex);
11  END LOOP;
12  DBMS_OUTPUT.PUT_LINE(V_Result);
13* END;
```

SQL> /

Enter value for startrange: 1

Enter value for endrange: 10

The Index Value : 1

The Index Value : 2

The Index Value : 3

The Index Value : 4

The Index Value : 5

The Index Value : 6

The Index Value : 7

The Index Value : 8

The Index Value : 9

The Index Value : 10

1 2 3 4 5 6 7 8 9 10

PL/SQL procedure successfully completed.

SQL> ED

Wrote file afiedt.buf

```
1 DECLARE
2 V_StartRange NUMBER := &StartRange;
3 V_EndRange NUMBER := &EndRange;
4 V_Result VARCHAR2(500) := NULL;
5 BEGIN
6   FOR MyIndex IN V_StartRange..V_EndRange
7   LOOP
8     V_Result := V_Result||' '||V_StartRange;
9     V_StartRange := V_StartRange + 1;
10    DBMS_OUTPUT.PUT_LINE('The Index Value : '||MyIndex);
11    MyIndex := MyIndex + 2;
12  END LOOP;
13  DBMS_OUTPUT.PUT_LINE(V_Result);
14* END;
```

SQL> /

Enter value for startrange: 1

Enter value for endrange: 10

MyIndex := MyIndex + 2;

---

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---

```
*
ERROR at line 11:
ORA-06550: line 11, column 2:
PLS-00363: expression 'MYINDEX' cannot be used as an assignment target
ORA-06550: line 11, column 2:
PL/SQL: Statement ignored
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1  DECLARE
2  V_StartRange NUMBER := &StartRange;
3  V_EndRange NUMBER := &EndRange;
4  V_Result VARCHAR2(500) := NULL;
5  BEGIN
6  FOR MyIndex IN V_StartRange..V_EndRange
7  LOOP
8      V_Result := V_Result||' '||V_StartRange;
9      V_StartRange := V_StartRange + 1;
10 DBMS_OUTPUT.PUT_LINE('The Index Value : '||MyIndex);
11 END LOOP;
12 DBMS_OUTPUT.PUT_LINE(V_Result);
13* END;
SQL> /
Enter value for startrange: 5
Enter value for endrange: 15
The Index Value : 5
The Index Value : 6
The Index Value : 7
The Index Value : 8
The Index Value : 9
The Index Value : 10
The Index Value : 11
The Index Value : 12
The Index Value : 13
The Index Value : 14
The Index Value : 15
5  6  7  8  9  10  11  12  13  14  15
```

```
PL/SQL procedure successfully completed.
```

```
SQL> cl scr
```

```
SQL> SPOOL OFF
```

```
SQL> cl scr
```

```
SQL> SPOOL OFF
```

```
SQL> cl scr
```

---

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---

```
SQL> DECLARE
  2  V_NumFact NUMBER := &GiveNumber;
  3  V_Factorial NUMBER := 1;
  4  BEGIN
  5    FOR IndexI IN 1..V_NumFact
  6    LOOP
  7      V_Factorial := V_Factorial * IndexI;
  8    END LOOP;
  9    DBMS_OUTPUT.PUT_LINE(' The Factorial of '||V_NumFact|| ' is :
'||V_Factorial);
 10  END;
 11  /
```

Enter value for givenumber: 5  
The Factorial of 5 is : 120

PL/SQL procedure successfully completed.

```
SQL> ED
Wrote file afiedt.buf
```

```
  1  DECLARE
  2  V_NumFact NUMBER := &GiveNumber;
  3  V_Factorial NUMBER := 1;
  4  BEGIN
  5    FOR IndexI IN 1..V_NumFact
  6    LOOP
  7      V_Factorial := V_Factorial * IndexI;
  8      DBMS_OUTPUT.PUT_LINE(' The Index Value is : '||IndexI);
  9    END LOOP;
 10  DBMS_OUTPUT.PUT_LINE(' The Factorial of '||V_NumFact|| ' is :
'||V_Factorial);
 11* END;
```

```
SQL> /
Enter value for givenumber: 5
The Index Value is : 1
The Index Value is : 2
The Index Value is : 3
The Index Value is : 4
The Index Value is : 5
The Factorial of 5 is : 120
```

PL/SQL procedure successfully completed.

```
SQL> cl scr
```

```
SQL> DECLARE
  2  V_NumFact NUMBER := &GiveNumber;
  3  V_Factorial NUMBER := 1;
```

---

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---

```
4 BEGIN
5   FOR IndexI IN REVERSE 1..V_NumFact
6   LOOP
7     V_Factorial := V_Factorial * IndexI;
8     DBMS_OUTPUT.PUT_LINE(' The IndexI Number is '||IndexI);
9   END LOOP;
10  DBMS_OUTPUT.PUT_LINE(' The Factorial of '||V_NumFact|| ' is '
||V_Factorial);
11  END;
12  /
```

Enter value for givenumber: 5

The IndexI Number is 5

The IndexI Number is 4

The IndexI Number is 3

The IndexI Number is 2

The IndexI Number is 1

The Factorial of 5 is : 120

PL/SQL procedure successfully completed.

SQL> cl scr

```
SQL> DECLARE
2   V_Name VARCHAR2(30);
3   V_Position VARCHAR2(100) := NULL;
4   BEGIN
5     V_Name := '&EnterYourName';
6     FOR I IN 1..LENGTH(V_Name)
7     LOOP
8       V_Position := V_Position||' '||SUBSTR(V_Name, I, 1);
9     END LOOP;
10    DBMS_OUTPUT.PUT_LINE(V_Position);
11  END;
12  /
```

Enter value for enteryourname: Sample

S a m p l e

PL/SQL procedure successfully completed.

SQL> cl scr

```
SQL> DECLARE
2   V_OuterLoopRange NUMBER := 5;
3   V_InnerLoopRange NUMBER := 3;
4   BEGIN
5     <<OuterLoop>>
6     FOR MyIndex IN 1..V_OuterLoopRange
7     LOOP
8       DBMS_OUTPUT.PUT_LINE('When Outer Loop Index Value = '||MyIndex);
```

---

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---

```
9  <<InnerLoop>>
10  FOR MyIndex2 IN 1..V_InnerLoopRange
11  LOOP
12  DBMS_OUTPUT.PUT_LINE('Outer Loop Index Value =
'||OUTERLOOP.MyIndex||' , '||'Inner Loop Index Value = '||MyIndex2);
13  END LOOP InnerLoop;
14  END LOOP OuterLoop;
15  END;
16  /
```

```
When Outer Loop Index Value = 1
Outer Loop Index Value = 1 , Inner Loop Index Value = 1
Outer Loop Index Value = 1 , Inner Loop Index Value = 2
Outer Loop Index Value = 1 , Inner Loop Index Value = 3
When Outer Loop Index Value = 2
Outer Loop Index Value = 2 , Inner Loop Index Value = 1
Outer Loop Index Value = 2 , Inner Loop Index Value = 2
Outer Loop Index Value = 2 , Inner Loop Index Value = 3
When Outer Loop Index Value = 3
Outer Loop Index Value = 3 , Inner Loop Index Value = 1
Outer Loop Index Value = 3 , Inner Loop Index Value = 2
Outer Loop Index Value = 3 , Inner Loop Index Value = 3
When Outer Loop Index Value = 4
Outer Loop Index Value = 4 , Inner Loop Index Value = 1
Outer Loop Index Value = 4 , Inner Loop Index Value = 2
Outer Loop Index Value = 4 , Inner Loop Index Value = 3
When Outer Loop Index Value = 5
Outer Loop Index Value = 5 , Inner Loop Index Value = 1
Outer Loop Index Value = 5 , Inner Loop Index Value = 2
Outer Loop Index Value = 5 , Inner Loop Index Value = 3
```

PL/SQL procedure successfully completed.

SQL> ED

Wrote file afiedt.buf

```
1  DECLARE
2  V_OuterLoopRange NUMBER := 5;
3  V_InnerLoopRange NUMBER := 3;
4  BEGIN
5  <<OuterLoop>>
6  FOR MyIndex IN 1..V_OuterLoopRange
7  LOOP
8  DBMS_OUTPUT.PUT_LINE('When Outer Loop Index Value = '||MyIndex);
9  <<InnerLoop>>
10  FOR MyIndex2 IN 1..MyIndex
11  LOOP
12  DBMS_OUTPUT.PUT_LINE('Outer Loop Index Value =
'||OUTERLOOP.MyIndex||' , '||'Inner Loop Index Value = '||MyIndex2);
13  END LOOP InnerLoop;
```

---

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---

```
14 END LOOP OuterLoop;
15* END;
SQL> /
When Outer Loop Index Value = 1
Outer Loop Index Value = 1 , Inner Loop Index Value = 1
When Outer Loop Index Value = 2
Outer Loop Index Value = 2 , Inner Loop Index Value = 1
Outer Loop Index Value = 2 , Inner Loop Index Value = 2
When Outer Loop Index Value = 3
Outer Loop Index Value = 3 , Inner Loop Index Value = 1
Outer Loop Index Value = 3 , Inner Loop Index Value = 2
Outer Loop Index Value = 3 , Inner Loop Index Value = 3
When Outer Loop Index Value = 4
Outer Loop Index Value = 4 , Inner Loop Index Value = 1
Outer Loop Index Value = 4 , Inner Loop Index Value = 2
Outer Loop Index Value = 4 , Inner Loop Index Value = 3
Outer Loop Index Value = 4 , Inner Loop Index Value = 4
When Outer Loop Index Value = 5
Outer Loop Index Value = 5 , Inner Loop Index Value = 1
Outer Loop Index Value = 5 , Inner Loop Index Value = 2
Outer Loop Index Value = 5 , Inner Loop Index Value = 3
Outer Loop Index Value = 5 , Inner Loop Index Value = 4
Outer Loop Index Value = 5 , Inner Loop Index Value = 5
```

PL/SQL procedure successfully completed.

```
SQL> ED
Wrote file afiedt.buf
```

```
1 DECLARE
2 V_OuterLoopRange NUMBER := 5;
3 V_InnerLoopRange NUMBER := 3;
4 BEGIN
5 <<OuterLoop>>
6 FOR MyIndex IN 1..V_OuterLoopRange
7 LOOP
8 DBMS_OUTPUT.PUT_LINE('When Outer Loop Index Value = '||MyIndex);
9 <<InnerLoop>>
10 FOR MyIndex IN 1..MyIndex
11 LOOP
12 DBMS_OUTPUT.PUT_LINE('Outer Loop Index Value =
'||OUTERLOOP.MyIndex||' , '||'Inner Loop Index Value = '||MyIndex);
13 END LOOP InnerLoop;
14 END LOOP OuterLoop;
15* END;
SQL> /
FOR MyIndex IN 1..MyIndex
*
```

ERROR at line 10:

---

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---

```
ORA-06550: line 10, column 20:
PLS-00364: loop index variable 'MYINDEX' use is invalid
ORA-06550: line 7, column 1:
PL/SQL: Statement ignored
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1  DECLARE
2  V_OuterLoopRange NUMBER := 5;
3  V_InnerLoopRange NUMBER := 3;
4  BEGIN
5  <<OuterLoop>>
6  FOR MyIndex IN 1..V_OuterLoopRange
7  LOOP
8  DBMS_OUTPUT.PUT_LINE('When Outer Loop Index Value = '||MyIndex);
9  <<InnerLoop>>
10  FOR MyIndex IN 1..OuterLoop.MyIndex
11  LOOP
12  DBMS_OUTPUT.PUT_LINE('Outer Loop Index Value =
'||OUTERLOOP.MyIndex||' , '||'Inner Loop Index Value = '||MyIndex);
13  END LOOP InnerLoop;
14  END LOOP OuterLoop;
15* END;
```

```
SQL> /
```

```
When Outer Loop Index Value = 1
Outer Loop Index Value = 1 , Inner Loop Index Value = 1
When Outer Loop Index Value = 2
Outer Loop Index Value = 2 , Inner Loop Index Value = 1
Outer Loop Index Value = 2 , Inner Loop Index Value = 2
When Outer Loop Index Value = 3
Outer Loop Index Value = 3 , Inner Loop Index Value = 1
Outer Loop Index Value = 3 , Inner Loop Index Value = 2
Outer Loop Index Value = 3 , Inner Loop Index Value = 3
When Outer Loop Index Value = 4
Outer Loop Index Value = 4 , Inner Loop Index Value = 1
Outer Loop Index Value = 4 , Inner Loop Index Value = 2
Outer Loop Index Value = 4 , Inner Loop Index Value = 3
Outer Loop Index Value = 4 , Inner Loop Index Value = 4
When Outer Loop Index Value = 5
Outer Loop Index Value = 5 , Inner Loop Index Value = 1
Outer Loop Index Value = 5 , Inner Loop Index Value = 2
Outer Loop Index Value = 5 , Inner Loop Index Value = 3
Outer Loop Index Value = 5 , Inner Loop Index Value = 4
Outer Loop Index Value = 5 , Inner Loop Index Value = 5
```

```
PL/SQL procedure successfully completed.
```

---

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```
SQL> cl scr
```

```
SQL> DECLARE
```

```

2  V_MyChar VARCHAR2(20);
3  BEGIN
4  <<OuterLoop>>
5  FOR MyIndex1 IN 1..15
6  LOOP
7      <<InnerLoop>>
8      FOR MyIndex2 IN 1..MyIndex1
9      LOOP
10          V_MyChar := V_MyChar||'*';
11      END LOOP InnerLoop;
12  DBMS_OUTPUT.PUT_LINE(V_MyChar);
13  V_MyChar := NULL;
14  END LOOP OuterLoop;
15  END;
16  /

```

\*

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\* \* \* \* \*

\* \* \* \* \*

\* \* \* \* \*

\* \* \* \* \*

\* \* \* \* \*

\* \* \* \* \*

PL/SQL procedure successfully completed.

```
SQL> cl scr
```

```
SQL> SELECT
```

```
2  Ename, Job, Sal
```

3 FROM EMP

```
4 WHERE Empno = &V_Empno;
```

Enter value for v\_empno: 7839

ENAME	JOB	SAL
-------	-----	-----

KING                      PRESIDENT ###

```
SQL> COL Sal FORMAT 9999
```

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---

```
SQL> R
  1  SELECT
  2  Ename, Job, Sal
  3  FROM EMP
  4* WHERE Empno = &V_Empno
Enter value for v_empno: 7839
```

ENAME	JOB	SAL
KING	PRESIDENT	5000

```
SQL> /
Enter value for v_empno: 7722
```

no rows selected

```
SQL> DECLARE
  2  V_Empno      NUMBER := &EnterEmpno;
  3  V_EName      VARCHAR2(30);
  4  V_Job        VARCHAR2(30);
  5  V_Sal        NUMBER(7, 2);
  6  BEGIN
  7  SELECT
  8  Ename, Job, Sal
  9  INTO
 10  V_Ename, V_Job, V_Sal
 11  FROM Emp
 12  WHERE Empno = V_Empno;
 13  DBMS_OUTPUT.PUT_LINE('The Name : '||V_Ename);
 14  DBMS_OUTPUT.PUT_LINE('The Job : '||V_Job);
 15  DBMS_OUTPUT.PUT_LINE('The Sal: '||V_Sal);
 16  END;
 17  /
```

```
Enter value for enterempno: 7839
The Name : KING
The Job : PRESIDENT
The Sal: 5000
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for enterempno: 7722
DECLARE
*
ERROR at line 1:
ORA-01403: no data found
ORA-06512: at line 8
```

---

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---

SQL> SPOOL OFF

Oracle BY Sathish Yellanki (SkyEss)

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